IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» Se

Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced
- CrossRef

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

Your search matched **0** of **1097671** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

compression and decompressed and search and (abst Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

---

Results:
No documents matched your query.

Print Format

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account | New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online Publications | Help | FAQ | Terms | Back to Top

Copyright © 2004 IEEE — All rights reserved

h eee e eee g e ch e ch e e c e e e c e

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» Se

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced
- CrossRef

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise
- Access the IEEE Enterprise File Cabinet

Your search matched **0** of **1097671** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

compression and decompressed and (search <sentenc Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

---

Results:
No documents matched your query.

Print Format

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account | New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online Publications | Help | FAQ | Terms | Back to Top

Copyright © 2004 IEEE — All rights reserved

h eee e eee g e ch e ch e e c e e e c e

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» AL

Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced
- CrossRef

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype GO Help

To Locate an Author:

1. Enter a last name or select a letter in the alphabet.
2. Once you identify the name, select it to search the database for relevant articles.

1.Options:

» Enter a name to find an author:

Go

Example:Enter Lockett S to obtain a list of authors with the last name Lockett and first name initial S.
OR» Select a letter to browse the author list:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | ALL

2. Select an author name to search the database for relevant articles:

Furuichi C.	Furuichi E.	Furuichi H.	Furuichi K.	Furu
Furuichi N.	Furuichi R.	Furuichi S.	Furuie H.	Furu
Furuie S.	Furuie S. S.	Furuishi Y.	Furukata M.	Furu
Furukawa C.	Furukawa C. M.	Furukawa D.	Furukawa F.	Furu
Furukawa H.	Furukawa I.	Furukawa J.	Furukawa K.	Furu
Furukawa M.	Furukawa N.	Furukawa O.	Furukawa R.	Furu
Furukawa S.	Furukawa S. -i.	Furukawa T.	Furukawa Y.	Furu
Furukawab Y.	Furuki K.	Furuki M.	Furuki O.	Furu
Furukimi O.	Furukoshi R.	Furumachi R.	Furumasu B. C.	Furu
Furumi K.	Furumiya M.	Furumiya S.	Furumiya T.	Furu

Previous 50 Next 50

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | ALL

Copyright © 2004 IEEE — All rights reserved

h eee e eee g e ch h c c e

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» Se

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced
- CrossRef

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise
- Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **42** of **1097671** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

compression and decompression and searching Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

---

1 **Fast fractal image compression**
Pou-Yah Wu;
Information Technology: Coding and Computing, 2000. Proceedings. Internati Conference on , 27-29 March 2000
Pages:54 - 59

[Abstract] [PDF Full-Text (1832 KB)] **IEEE CNF**

---

2 **Visual image retrieval on compressed domain with Q-distance**
Yu, H.H.;
Computational Intelligence and Multimedia Applications, 1999. ICCIMA '99. Proceedings. Third International Conference on , 23-26 Sept. 1999
Pages:285 - 289

[Abstract] [PDF Full-Text (88 KB)] **IEEE CNF**

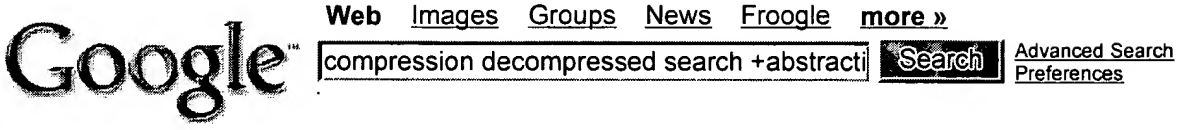
---

3 **Compressed pattern matching for SEQUITUR**
Mitarai, S.; Hirao, M.; Matsumoto, T.; Shinohara, A.; Takeda, M.; Arikawa, S.,
Data Compression Conference, 2001. Proceedings. DCC 2001. , 27-29 March
Pages:469 - 478

[Abstract] [PDF Full-Text (508 KB)] **IEEE CNF**

---

4 **A new approach of group-based VLC codec system with full table programmability**
Bai-Jue Shieh; Yew-San Lee; Chen-Yi Lee;
Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 11 , Issue: 2 , Feb 2001
Pages:210 - 221



Web

Your search - **compression decompressed search +abstraction +keye** - did not match any documents.

Suggestions:

- Make sure all words are spelled correctly.
- Try different keywords.
- Try more general keywords.
- Try fewer keywords.

Also, you can try Google Answers for expert help with your search.

Google Home - Advertising Programs - Business Solutions - About Google

©2004 Google

h g g e c e ch c e ec e e e ch b c

Google

Web Images Groups News Froogle more »

compression decompressed search +keye Search Advanced Search Preferences

Web Results **1** - **1** of **1** for **compression decompressed search +keye**. (**0.15** seconds)

Tip: Try Google Answers for help from expert researchers

Surgical Treatment for Fetal Disease: The State of the Art ...
... The **search** for a more effective and less toxic ... immature, the bladder can be **decompressed** in utero ... the ipsilateral and contralateral lung **compression**, and the ...
www.annalsnyas.org/cgi/content/full/847/1/74 - Similar pages

Free! Google Desktop Search: Search your own computer.

compression decompressed search Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2004 Google

h g gec e ch c e ec e e e ch e e

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

+compression +decompressed +search +group +record SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Published before April 1999
Terms used **compression decompressed search group record**

Found **87** of **94,074**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 87 Result page: **1** 2 3 4 5 next

Relevance scale

1 Query evaluation techniques for large databases

Goetz Graefe

June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

Full text available: pdf(9.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

2 An associative file store using fragments for run-time indexing and compression

R. M. Lea, E. J. Schuegraf

June 1980 **Proceedings of the 3rd annual ACM conference on Research and development in information retrieval**

Full text available: pdf(690.98 KB) Additional Information: full citation, references

3 Document processing and transaction modeling: A multi-group technique for data compression

K. A. Hazboun, M. A. Bassiouni

June 1982 **Proceedings of the 1982 ACM SIGMOD international conference on Management of data**

Full text available: pdf(725.49 KB) Additional Information: full citation, abstract, references, citings

An efficient compression technique that is particularly attractive for the storage of large commercial files and the transfer of such files within a distributed communication network is outlined. The technique, constructed as a two-level hierarchy of Huffman-type binary trees,

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

+compression +decompressed +search SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Published before April 1999
Terms used **compression decompressed search**

Found **219** of **94,074**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 Fast searching on compressed text allowing errors
Edleno Silva de Moura, Gonzalo Navarro, Nivio Ziviani, Ricardo Baeza-Yates
August 1998 **Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval**
Full text available: pdf(1.19 MB) Additional Information: full citation, references, citings, index terms

2 A text compression scheme that allows fast searching directly in the compressed file
Udi Manber
April 1997 **ACM Transactions on Information Systems (TOIS)**, Volume 15 Issue 2
Full text available: pdf(291.64 KB) Additional Information: full citation, abstract, references, citings, index terms, review

A new text compression scheme is presented in this article. The main purpose of this scheme is to speed up string matching by searching the compressed file directly. The scheme requires no modification of the string-matching algorithm, which is used as a black box; any string-matching procedure can be used. Instead, the pattern is modified; only the outcome of the matching of the modified pattern against the compressed file is decompressed. Since the compressed file is smal ...

Keywords: data compression search

3 Predictive test compression by hashing
T. Raita, J. Teuhola
November 1987 **Proceedings of the 10th annual international ACM SIGIR conference on Research and development in information retrieval**
Full text available: pdf(744.53 KB) Additional Information: full citation, abstract, references, citings, index terms

The knowledge of a short substring constitutes a good basis for guessing the next character in a natural language text. This observation, i.e. repeated guessing and encoding of subsequent characters, is very fundamental for the predictive text compression. The paper describes a family of such compression methods, using a hash table for searching the prediction information. The experiments show that the methods produce good compression gains and, moreover, are very fast. The one-pass version ...

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

compression <and> decompression <and> "search key" SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **compression** and **decompression** and **search key** Found **146,050** of **147,060**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Best 200 shown Relevance scale

1 Energy Optimization of Distributed Embedded Processors by Combined Data Compression and Functional Partitioning

Jinfeng Liu, Pai H. Chou

November 2003 **Proceedings of the 2003 IEEE/ACM international conference on Computer-aided design**

Full text available: pdf(271.86 KB) Additional Information: full citation, abstract

Transmitting compressed data can reduce inter-processor communicationtraffic and create new opportunities for DVS (dynamicvoltage scaling) in distributed embedded systems. However, datacompression alone may not be effective unless coordinated withfunctional partitioning. This paper presents a dynamic programmingtechnique that combines compression and functional partitioningto minimize energy on multiple voltage-scalable processorsrunning pipelined data-regular applications under performance cons ...

2 Memory and network optimization in embedded designs: Multi-profile based code compression

E. Wanderley Netto, R. Azevedo, P. Centoducatte, G. Araujo

June 2004 **Proceedings of the 41st annual conference on Design automation**

Full text available: pdf(272.41 KB) Additional Information: full citation, abstract, references, index terms

Code compression has been shown to be an effective technique to reduce code size in memory constrained embedded systems. It has also been used as a way to increase cache hit ratio, thus reducing power consumption and improving performance. This paper proposes an approach to mix static/dynamic instruction profiling in dictionary construction, so as to best exploit trade-offs in compression ratio/performance. Compressed instructions are stored as variable-size indices into fixed-size codewords, el ...

Keywords: code compression, code density, compression

3 New scan-based test techniques: Combining dictionary coding and LFSR reseeding for test data compression

Xiaoyun Sun, Larry Kinney, Bapiraju Vinnakota

June 2004 **Proceedings of the 41st annual conference on Design automation**

Full text available: pdf(292.89 KB) Additional Information: full citation, abstract, references, index terms

In this paper we describe a method to combine dictionary coding and partial LFSR reseeding to improve the ompression efficiency for test data compression. We also present a fast

h c g e cf c

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Published before April 1999 Found **2** of **2**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 2 of 2

Relevance scale

1 An associative file store using fragments for run-time indexing and compression

R. M. Lea, E. J. Schuegraf

June 1980 **Proceedings of the 3rd annual ACM conference on Research and development in information retrieval**

Full text available: pdf(690.98 KB) Additional Information: full citation, references

2 The DataIndex: a structure for smaller, faster data warehouses

Anindya Datta, Igor Viguier

September 1998 **ACM SIGMIS Database**, Volume 29 Issue 4

Full text available: pdf(879.98 KB) Additional Information: full citation, abstract, index terms

In this paper we present DataIndexes, a family of design strategies for data warehouses to support OnLine Analytical Processing (OLAP). As the name implies, DataIndexes are both a storage structure for the warehoused relational data and an indexing scheme to provide fast access to that data. We present two simple DataIndexes: the Basic DataIndex (BDI), which can be used for any attribute and the Join DataIndex (JDI), which is used for foreign-key attributes. Either structure can be shown to sign ...

Results 1 - 2 of 2

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.

Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

h c g e cf

PORTAL
US Patent & Trademark Office
Subscribe (Full Service) Register (Limited Service, Free) Login
Search: The ACM Digital Library The Guide
SEARCH
THE ACM DIGITAL LIBRARY
Feedback Report a problem Satisfaction survey

An associative file store using fragments for run-time indexing and compression

Full text Pdf (691 KB)

Source **Annual ACM Conference on Research and Development in Information Retrieval** archive
Proceedings of the 3rd annual ACM conference on Research and development in information retrieval table of contents
Cambridge, England
Pages: 280 - 295
Year of Publication: 1980
ISBN:0-408-10775-8

Authors R. M. Lea
E. J. Schuegraf

Sponsors ACM: Association for Computing Machinery
: British Computer Society

Publisher Butterworth & Co. Kent, UK, UK

Additional Information: references collaborative colleagues peer to peer

Tools and Actions: Discussions Find similar Articles Review this Article
Save this Article to a Binder Display in BibTex Format

↑ REFERENCES

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

1 ANDERSON, G. A. and KAIN, R. Y. (1976). 'A content-addressed memory design for data base applications', in Proceedings IEEE Conference on Parallel Processing, pp. 191--195

2 BULLEN, R. H. and MULLEN, J. K. (1972). 'Microtext: the design of a microprogrammed finite state search machine for full text retrieval', Proc. AFIPS (FJCC), 41, 479--488

3 R. H. Canaday , R. D. Harrison , E. L. Ivie , J. L. Ryder , L. A. Wehr, A back-end computer for data base management, Communications of the ACM, v.17 n.10, p.575-582, Oct. 1974

4 Alfonso F. Cárdenas, Analysis and performance of inverted data base structures, Communications of the ACM, v.18 n.5, p.253-263, May 1975

5 R. G. Casey, Design of tree structures for efficient querying, Communications of the ACM, v.16 n.9, p.549-556, Sept. 1973

6 CLARE, A. C., COOK, E. M. and LYNCH, M. F. (1972). 'The identification of variable length, equifrequent, character strings in a natural language data-base', Computer Journal, 15, 259--262

7 E. G. Coffman, Jr. , J. Eve, File structures using hashing functions, Communications of the ACM,

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» ABS

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced
- CrossRef

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise
- Access the IEEE Enterprise File Cabinet

Print Format

Search Results [PDF FULL-TEXT 804 KB] PREV DOWNLOAD CITATION

Request Permissions RIGHTSLINK

Order preserving string compression

Antoshenkov, G. Lomet, D. Murray, J.
Digital Equipment Corp., Maynard, MA, USA;

This paper appears in: **Data Engineering, 1996. Proceedings of the Twel International Conference on**

Meeting Date: 02/26/1996 - 03/01/1996
Publication Date: 26 Feb.-1 March 1996
Location: New Orleans, LA USA
On page(s): 655 - 663
Reference Cited: 11
Inspec Accession Number: 5242668

Abstract:
Order-preserving **compression** can improve sorting and **searching** performa hence the performance of database systems. We describe a new parsing (tok technique that can be applied to variable-length "keys", producing substantial **compression**. It can both **compress** and **decompress** data, permitting vari for dictionary entries and **compressed** forms. The **key** notion is to partition t strings into ranges, encoding the common prefix of each range. We illustrate with padding character **compression** for multi-field keys, demonstrating the gains possible. A specific version of the method has been implemented in Digi relational database system to enable effective multi-field **compression**

Index Terms:
data **compression** encoding relational databases sorting Digital Rdb relational dat system **compressed** forms data **decompression** database systems performance **compression** multi-field keys order-preserving string **compression** padding charact **compression** parsing technique range common prefix encoding **searching** performa performance string-space partitioning tokenization technique variable-length dictiona variable-length keys

Documents that cite this document
There are no citing documents available in IEEE Xplore at this time.

Search Results [PDF FULL-TEXT 804 KB] PREV DOWNLOAD CITATION

h eee e eee g e ch ch b c be be

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

A multiple processor approach to data compression

Full text Pdf (736 KB)

Source **Symposium on Applied Computing** archive
Proceedings of the 1998 ACM symposium on Applied Computing table of contents
Atlanta, Georgia, United States
Pages: 641 - 649
Year of Publication: 1998
ISBN:0-89791-969-6

Authors John L. Simpson Southwestern Bell at St. Louis, 5201 Trailbend Dr., Florissant, MO
Chaman L. Sabharwal University Of Missouri - Rolla, 8001 Natural Bridge Road, St. Louis, MO

Sponsors SIGADA: ACM Special Interest Group on Ada Programming Language
SIGCUE: ACM Special Interest Group on Computer Uses In Education
SIGAPP: ACM Special Interest Group on Applied Computing
SIGBIO: ACM Special Interest Group on Biomedical Computing

Publisher ACM Press New York, NY, USA

Additional Information: references index terms collaborative colleagues peer to peer

Tools and Actions: Discussions Find similar Articles Review this Article
Save this Article to a Binder Display in BibTex Format

DOI Bookmark: Use this link to bookmark this Article: http://doi.acm.org/10.1145/330560.331007
What is a DOI?

↑ REFERENCES

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

1 Fenwick, P., "Block Sorting Text Compression," Proceedings Of The 19m Australian Computer Science Conference, Melbourne, Australia, January 1996.

2 E. R. Fiala , D. H. Greene, Data compression with finite windows, Communications of the ACM, v.32 n.4, p.490-505, April 1989

3 Jones, J., "Data Compression In DSU/DSUs," Network Computing, March I, 1995, pp. 144-145.

4 Levinson, H., "Compression Technology And Channel Extension," Enterprise Systems Journal, Match 1995, pp. 60-82..

5 Nelson, M., "Data Compression With The Burrows Wheeler Tmnsform,"Dr. Dobb's Journal, September 1996, pp. 46- 50.

6 M. E. Gonzalez Smith , J. A. Storer, Parallel algorithms for data compression, Journal of the ACM (JACM), v.32 n.2, p.344-373, April 1985

h c g c cf c

ANNALS of the New York Academy of Sciences

EMAIL content delivery

HOME HELP FEEDBACK SUBSCRIPTIONS ARCHIVE SEARCH COLLECTIONS EMAIL ALERTS TABLE OF CONTENTS

Institution: U.S. Patent & Trademark Office | Sign In as Academy Member | Contact Subscription Administrator | **FAQ**

Order this book!

Annals of the New York Academy of Sciences 847:74-85 (1998)
© 1998 New York Academy of Sciences

Surgical Treatment for Fetal Disease: The State of the Art

CRAIG T. ALBANESE[a] and MICHAEL R. HARRISON

Fetal Treatment Center, Department of Surgery, University of California, San Francisco, 513 Parnassus Avenue, HSW-1601, San Francisco, California 94143-0570, USA

[a]Corresponding author. E-mail: craig@itsa.ucsf.edu

This Article

- **Full Text**
- **Full Text (PDF)**

Services

- **Similar articles in this journal**
- **Similar articles in PubMed**
- **Alert me to new issues of the journal**
- **Download to citation manager**
- **Cited by other online articles**

PubMed

- **PubMed Citation**
- **Articles by ALBANESE, C. T.**
- **Articles by HARRISON, M. R.**

Sophisticated imaging and fetal sampling techniques have defined the natural history and pathophysiologic characteristics of many previously mysterious conditions of newborn. Although most prenatally diagnosed malformations are best managed by appropriate medical and surgical therapy after delivery, an increasing number of simple anatomic abnormalities with predictably devastating developmental consequences have been successfully corrected before birth. Many of the technical intricacies of open fetal surgery have been solved, but preterm labor remains an omnipresent risk to the mother and fetus. The recent development of minimally invasive techniques to treat the fetus prenatally has significantly lessened preterm labor. Minimally invasive surgical techniques, in combination with new tocolytic strategies, promise to extend the indications for fetal surgical intervention.

This article has been cited by other articles:

JAMA ▸HOME

M. B. Mahowald
The Making of the Unborn Patient: A Social Anatomy of Fetal Surgery
JAMA, July 21, 1999; 282(3): 287 - 287.
[Full Text] [PDF]